

## ABSTRACT

A magnetic rubber composition for encoder having a magnetic characteristic in sufficient application range, used as encoder after magnetization as well as heat resistance, water resistance and oil resistance required for use as encoder, and excellent processing property, and capable of being bonded by vulcanization with a metal, is provided. Furthermore, a magnetic rubber composition for encoder capable of obtaining sufficient magnetic force required for encoder on a circumference of the molded encoder as well as capable of effectively restraining variation of the level of magnetic force, is provided. It is provided by comprising 300 to 1,800 parts of strontium-ferrite, or 300 to 1,800 parts of barium-ferrite, or 300 to 1,800 parts of a mixture of strontium-ferrite and barium-ferrite, 0.5 to 2 parts of silane coupling agent, and 1 to 10 parts of lubricating agent, per 100 parts of a hydrogenated nitrile butadiene rubber with 15 to 50% of acrylonitrile amount and 80 to 99% of hydrogenation ratio.

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